

BUFFALO NATIONAL RIVER

PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Buffalo National River. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

UPPER DISTRICT

1. Pneumatic tube counters are placed across the roads entering into the following areas:
 - a. Kyles Landing Road (Route 144)
 - b. Erbie Road (Route 145)
 - c. Ozark Campground Road (Route 248)
 - d. Lower Pruitt Road (Route 942)
 - e. Upper Pruitt Road (Route 142)
 - f. Hasty Road (Route 943)
 - g. Carver Road (Route 460)
 - h. Lost Valley Road (Route 244)
 - i. Steel Creek Road (Route 143)
 - j. Mount Hersey (Route 132)

The traffic counts are divided by 2 to adjust for vehicles entering and exiting the units. The adjusted vehicle count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 5.

2. The number of visitors to Pruitt Information Station and Steel Creek Ranger Station.
3. Canoeist

The number of canoes rented by the following concessioner:

 - a. Lost Valley Canoe and Lodging

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- b. Razorback Canoe Rentals
- c. Buffalo's Adventure
- d. Keller's Rentals
- e. Buffalo Outdoor Center, Inc.
- f. Gordon Motel, Inc.
- g. Riverview Motel Rentals

The number of canoe rentals is multiplied by the persons-per-canoe (PPC) multiplier of two.

- 4. The number of visitors using private canoes.
- 5. Rafters (Table 1)

Table 1
Estimated Number of Rafters by Month

Month	Estimated Number of Rafters
March	130
April	245
May	360
June	390
July	85
August	60

- 6. The number of backcountry campers (excluding those that have crossed traffic counters).
- 7. The number of hikers at the following locations:
 - a. Lost Valley Trail
 - b. Goat Trail
 - c. Hemmed-in-Hollow
- 8. An estimate of visitors entering the park not reported in 1 through 7 using Table 2.

Table 2
Estimated Visitors by Month and by Activity for Upper District

MONTH	HUNTERS	FISHERMAN
JANUARY	450	35
FEBRUARY	80	5
MARCH	65	65
APRIL	350	500
MAY	140	1650
JUNE	15	850
JULY	0	640
AUGUST	0	510
SEPTEMBER	125	170
OCTOBER	1200	160
NOVEMBER	1500	40
DECEMBER	170	10

MIDDLE DISTRICT

1. Inductive loop counters are located on the entrance lanes of the following areas:
 - a. 65 Bridge Road
 - b. Gilbert Road (Route 930)
 - c. Woolum Road (Route 131)
 - d. Maumee South Road (Route 229)
 - e. Baker Ford (Route 232)
 - f. Tyler Bend

The traffic counts are multiplied by the PPV multiplier in Table 5.

2. The number of visitors to Tyler Bend Information Station.
3. Canoeist
The number of canoes rented by the following concessioner:
 - a. Buffalo Camping and Canoeing

- b. Silver Hill Canoe Rentals
- c. Tomahawk Canoe Rentals
- d. Buffalo Outdoor Center
- e. Crockett's Canoe Rentals

The total number of canoe rentals is multiplied by the PPC multiplier of two.

4. Private Canoeist

Private canoeist are estimated as twenty-five percent of the rental canoeist in 3 above.

5. Johnboaters

- a. The number of visitors renting johnboats as reported by Buffalo Outdoor Center.
- b. The number of visitors in private johnboats (estimated).

6. Rafters

- a. The number of raft rentals.
- b. The number of private raft visitors (estimated).

8. The number of backcountry campers (excluding those that have crossed traffic counters).

9. The number of fishermen (estimated).

10. The number of hunters (estimated).

11. The number of horseback riders (estimated).

LOWER DISTRICT

1. Pneumatic tube counters are placed across the roads entering into the following areas:

- a. Maumee North Road (Route 228)
- b. Highway 14 Bridge Road (Route 284)

The traffic counts are divided by 4 to adjust for axle counting and vehicles entering and exiting the area. The adjusted traffic counts are multiplied by the PPV multiplier in Table 5.

2. A pneumatic tube counter is placed across the entrance lane on Buffalo Point Road (Route 21). The traffic count is divided by 2 to adjust for axle counts. The adjusted vehicle count is reduced for the number of nonreportable vehicles (Table 4). The reduced vehicle count is multiplied by the PPV multiplier in Table 5.

3. An inductive loop traffic counter is placed across the entrance lane at Rush Road (Route 121). The traffic count is divided by 2 to adjust for vehicles entering and exiting Rush Road. The adjusted vehicle count is multiplied by the PPV multiplier in Table 5.

4. The number of visitors to Buffalo Point Ranger Stations and Lower District Campground Contact Station.

5. Canoeist

The number of canoes rented by the following concessioner:

- a. Wild Bill Canoe Rentals
- b. Bennett Canoe Rental
- c. Dirst Canoe Rental
- d. Dodd's Float Service

The total number of canoe rentals is multiplied by the PPC multiplier of two.

6. Johnboaters

The number of visitors renting johnboats from the following concessioner:

- a. Rose Trout Dock
- b. Cotter Trout Dock
- c. Dodd's Float Service
- d. Sportsman's Report
- e. Newland Float Trips
- f. Wild Bills Fishing Service
- g. Woodsman's Fishing Service

The total number of johnboat rentals is multiplied by the persons-per-johnboat multiplier of three.

7. The number of rafters (Table 3).

8. The number of backcountry campers (Table 3).

9. The number of fishermen (Table 3).

10. The number of hunters (Table 3).

11. The number of horseback riders (Table 3).

12. The number of other visitors entering the park not reported in 1 through 11 using

Table 3.

Table 3
Estimated Number of Visitors by Month and Activity for Lower District

MONTH	HUNTERS	FISHERMEN	HORSEBACK RIDERS	RAFT VISITORS	OTHERS	BACKCOUNTRY CAMPERS
JANUARY	450	700	100	0	300	200
FEBRUARY	450	700	100	0	300	200
MARCH	450	700	100	0	300	200
APRIL	450	1300	50	0	200	100
MAY	0	1300	50	10	200	100
JUNE	0	1300	50	10	200	100
JULY	0	1300	50	10	200	100
AUGUST	0	1300	50	10	200	100
SEPTEMBER	0	1300	50	10	200	100
OCTOBER	450	700	100	0	300	200
NOVEMBER	450	700	100	0	300	200
DECEMBER	450	700	100	0	300	200

Table 4
Nonreportable Vehicles by Month for Buffalo Point

MONTH	# NONREPORTABLE VEHICLES
MAY THROUGH SEPTEMBER	600
MARCH, APRIL, OCTOBER, NOVEMBER	400
DECEMBER, JANUARY, FEBRUARY	300

Table 5
Persons-Per-Vehicle Multipliers by Month

MONTH	PERSONS-PER-VEHICLE
JANUARY	2.0
FEBRUARY	2.0
MARCH	2.3
APRIL	2.3
MAY	2.3
JUNE	2.7
JULY	2.7
AUGUST	2.7
SEPTEMBER	2.3
OCTOBER	2.0
NOVEMBER	2.0
DECEMBER	2.0

Recreation Visitor Hours

Recreation visitor hours are the sum of the subtotals of each of the categories listed in Table 6. Each subtotal is the result of multiplying the number of visitors associated with that category by its length-of-stay multiplier.

Table 6
Average Length-of-Stay Multipliers by Category for all Districts

CATEGORY	AVERAGE LENGTH-OF-STAY
Visitors arriving by Vehicle	3.5 Hours
Visitors to Information Stations	.5 Hour
Canoeists, Rafters, Fishermen, Hunters, Johnboaters, Horseback Riders, and Hikers	6.0 Hours
Overnight Stays	18.0 Hours per overnight stay

Overnight Stays

Concessioner Lodging - **Lower District** - Buffalo Point Concession Campground

The number of overnight stays reported by the concessioner.

NPS Campgrounds - **Upper District** - Mt. Hersey, Lost Valley, Steel Creek, Kyles

Landing, Erbie, Ozark, Hasty, and Carver **Middle District** - Tyler

Bend, Gilbert,

Highway 65 Bridge, Woolum, and Maumee South **Lower**

District - Dillard's Ferry, Buffalo

Point, Spring Creek, and Rush

Landing

The number of overnight stays at NPS campgrounds.

NPS Miscellaneous - Group Camping - **Upper District** - Erbie and Camp Orr **Middle**

District - Tyler Bend **Lower District** - Buffalo Point

The number of overnight stays at group camping areas.

NPS Backcountry - Canoeists, Johnboaters, and Backcountry Campers, and all overnight stays not included in the above

The number of backcountry campers are determined from permits issued or reported by the concessioner.

The number of overnight stays by canoeist is multiplied by the persons-per-site multiplier of 2.

Special Use Data

Line a. Visitors to Upper District

Line b. Visitors to Middle District

Line c. Visitors to Lower District

Line d. Visitors arriving by automobile

Line e. Visitors canoeing

Line f. Visitors rafting and inner tubing

Line g. Visitors johnboating

Line h. Visitors to information stations